

TECHNICAL DATA SHEET



LS LOCKUP

LITHIUM SILICATE DENSIFIER

REACTS WITH THE CEMENTITIOUS INGREDIENTS
TO DENSIFY & ADD WATER REPELLENCY

40 GROSSETT DRIVE, SUITE 200, KIRKWOOD, NY 13795
1 (800) 475-1975 • (607) 775-1948 • WWW.TRINIC.US • @TRINICLLC   

DESCRIPTION

LS Lockup is a one component water-based silicate and lithium based solution designed to densify and add waterproofing characteristics to cement and concrete substrates. The densifier reacts with the cementitious ingredients to densify and add water repellency while allowing deep penetration to chemically harden and fortify the substrate. After the chemical reaction occurs, the substrate will be more abrasion resistant and help protect the surface from wear, moisture, and efflorescence while remaining breathable.

BENEFITS OF USE

- Increases durability by improving resistance to freeze thaw effects and improves abrasion resistance and durability
- Improves weathering, densifies and reduces efflorescence of natural stone, precast stone and cement
- Protects and fortifies concrete as it seals against moisture damage
- Application will reduce dusting and increase concrete life
- Reduces water absorption into the substrate

DOSAGE RECOMMENDATIONS

Ready-to-use product

TEMPERATURE / CURE RATE

Apply at 55-90°F. When properly used, this product can reduce water absorption while still maintaining greater than 50% breathability.

Allow the material to dry for a 24-hour period of time to obtain the maximum benefits of the application. This allows the material to react with the concrete and become an integral part of the substrate.

APPLICATION

Stir material before using. Apply material to the horizontal surface without thinning with a brush, mop, or spraying equipment. When applying the material, always maintain a wet edge as this will reduce any chance of water spotting.

When spraying, this product can damage vegetation, stain or etch glass, aluminum, metal, and plastic. If contamination does occur, rinse it off with water immediately. If a white precipitate should form due to high acid content, or second coating, rinsing with water and a stiff broom will usually be able to remove the spotting.

Since LS Lockup densifier does not totally seal pores, water can still evaporate from the underlying surface. However, if capillary water is traveling toward the treated face, some of it will be stopped at the depth to which the LS Lockup has penetrated. At this point it will evaporate, passing through the treated area as water vapor. This normally will present no problem. However, if the capillary water source contains soluble salts, they will be deposited at this point within the substrate where this water evaporates. In essence, this reduces visible efflorescence but there is this danger: if capillary water deposits excessive amounts of soluble salts, their crystalline growth can develop sufficient pressure resulting in spalling.

Spalling may also result from substantial pressures of water freezing behind the face of the surface before evaporation can occur. These conditions both develop from outside sources of water. This product is developed to prevent the migration of water beneath the treated surface while still allowing water vapor to escape. Applications of this material will prevent positive side absorption of water and improve the capability of the substrate to resist spalling.

Although the material will strengthen the substrate, outside sources of water may cause problems if the hydrostatic pressure is sufficiently great. After the product has been in contact with the substrate to allow for penetration and reaction, excess material can be removed by water or allowed to dry.

PACKAGING

Quart

Gallon

5 Gallon

50 Gallon Drum

COVERAGE/YIELD

100-400 sq ft per gallon if applied properly

SHELF LIFE

Shelf Life: 1 year in unopened container

DISPOSAL

Follow all federal, state, and local regulations when disposing of this product.

LIMITATIONS

None known if used properly

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer / seller's option. Trinic products shall not be liable for cost of labor or direct and/or incidental consequential damages.

SAFETY DATA SHEET

SDS for all Trinic products can be found on our website or by contacting us directly.